FIFTEENTH CENTURY BOOKS

A GUIDE TO THEIR IDENTIFICATION

R. A. PEDDIE

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FIFTEENTH-CENTURY BOOKS

Works by
Mr R. A. Peddie

Printing in Brescia in the Fifteenth Century: a List of the Issues. 5s. net. 1905

Conspectus Incunabulorum: an Index Catalogue of Fifteenth-Century Books. Part I., A-B, 10s. 6d. net. Part II., C-G, 15s. net. 1910-1913, etc.

National Bibliographies: a Descriptive Catalogue of the Works which register the Books published in each Country. 5s. net. 1912

The British Museum Reading-Room: a Handbook for Students. 1s. net. 1912

Engineering and Metallurgical Books, 1907-1911. A Full-Title Catalogue. 7s. 6d. net. 1912

The English Catalogue of Books, 1801-1836. [With Mr Q. Waddington.] £4, 4s. net. [*In the Press*

The Printed Book: its History and Development to the Present Day. [*In Preparation*

FIFTEENTH-CENTURY BOOKS: A GUIDE TO THEIR IDENTIFICATION. WITH A LIST OF THE LATIN NAMES OF TOWNS AND AN EXTENSIVE BIBLIOGRAPHY OF THE SUBJECT.

BY

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Author of
"Conspectus Incunabulorum: an Index Catalogue of Fifteenth-Century Books," "The British Museum Reading-Room," "National Bibliographies"
Etc.

LONDON
GRAFTON & CO., 69 GREAT RUSSELL ST.
1913

E.V.

PREFACE

THE books printed before 1501 have long been looked upon as a class apart, and their enormous rise in prices, during the last twenty or thirty years, has drawn still more attention to them.

The literature dealing with the subject has grown with the interest, until we have now so large a number of volumes that the ordinary collector, librarian or bookseller has been unable to keep pace with the development. It is not so much a deliberate ignoring of recent research as a real ignorance of the work that has been done, and its application to the needs of a catalogue or bibliography.

At this moment, when the Prussian Royal Commission for a General Catalogue of Incunabula is asking for information as to hitherto unregistered works, it behoves everyone to identify the fifteenth-century books in their libraries or collections.

To this end, therefore, this little book has been compiled. All the important works dealing with the subject, from any point of view, have been catalogued and described, and whether information is sought on the

author, the printer or the place of publication of a book, all the available authorities will be found set out, as also those dealing with types, illustrations, watermarks, and all the other *minutiæ* which go to make up the study of the fifteenth-century book.

The collection of incunabula is almost impossible for anyone but the millionaire, but the study of the subject, thanks to the great libraries, is open to all, and the enthusiastic student can make many discoveries, even in the best catalogued and most efficiently staffed of these institutions.

If this work is of use to others working in the same field, it will be sufficient justification for the writing thereof.

R. A. PEDDIE.

St Bride Foundation
Bride Lane, E.C.

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I. INTRODUCTION

MANY libraries and private individuals possess among their literary treasures some books printed during the infancy of the typographic art—that period which by common consent ends with the year 1500. These books are placed aside and only brought out to be exhibited at rare intervals. Frequently the librarian or owner knows nothing about them excepting such facts as appear in their headlines and colophons.

The task of discovering all about them, of finding a rarity lurking amongst them, perhaps a book of which no other copy is known and of which no library can boast, has been relegated to some day in the future. At this present time, however, owing to the work of many bibliographers, the identification of any particular fifteenth-century book has become comparatively easy. To-day it is only necessary to point out the way to enable the veriest tyro to collect all the information in existence in reference to any volume of that period.

Somewhere about thirty thousand works of all kinds printed from the invention of the art to the close of the year 1500 have already been identified and registered. There are, no doubt, many more still to be discovered, and, in fact, every new catalogue that appears contains some hitherto undescribed incunabula.

II. GENERAL WORKS

The method of arrangement of the various bibliographies and catalogues here mentioned is described as clearly as possible.

The two principal clues to an early printed book are: first, the author's name and the title of the work, and second, the printer's name and the place of publication. There are two indexes, covering the whole of the registered and identified incunabula, and it will be found that the easiest way to get full particulars about a fifteenth-century book is to refer to these two indexes first and from them get the reference to the full description of the book required. The first of the two works deals with authors and their productions:

Peddie (R. A.). Conspectus incunabulorum: an index catalogue of fifteenth-century books. Part I., A-B. London, 1910. 8vo. Part II., C-G. 1913.

This is an index by authors, generally following the use of Hain as regards authors' names. To each entry is added a list of references. The entries themselves require little explanation. The date is that which appears in the book itself. If the place-name, which is given in the vernacular, is in brackets it indicates that the printer is represented by his name or mark, but that the place is not definitely mentioned. References in italics indicate facsimiles.

The other index is:

Burger (K.). The printers and publishers of the fifteenth century, with lists of their works. *In* Copinger (W. A.). Supplement to Hain. Vol. 3 1902.

In this index the printers and publishers are arranged alphabetically and the lists of their works chronologically. Works without name of printer are under the Latin name of the town where printed.[1] Books that have not

[1] *See* Appendix A.—An Index of Latin names of towns with the vernacular equivalents. In this list the names appear as in the books themselves.

been attributed to any town or press are, if dated, placed at the end in a chronological sequence, but if undated are left out altogether. To each book-title is added a list of the reference books in which the book is described. The author describes his work as indexing Hain, Copinger, Proctor, and Pellechet only, but as a matter of fact references are given to about one hundred other reference books in addition.

These two indexes enable a student at once to obtain a view of the works of a printer or author, and by referring from one to the other additional information can be obtained. The list of authorities in the former index will be found to be useful in identifying obscure references in Burger.

The bibliographies that are indexed in the above-mentioned works will now be described in detail.

The most important bibliography, and the one that should be referred to first, is:

Hain (L.). Repertorium typographicum. 4 vols. Stuttgart, 1826-1838. 8vo.

This is arranged by authors' names as found in the books themselves, not the vernacular family name as used in the General Catalogue of the British Museum. For instance, the author of the *De duobus amantibus* will be found under Aeneas Sylvius, not under his family name of Piccolomini or under his Papal title of Pius II. Anonymous works are entered under the first word of the title, with exceptions, especially in German books. The Repertorium becomes very imperfect towards the end of the alphabet, as it was completed by another hand, owing to the death of the author, headings such as Virgil and Voragine being left out altogether. The total number of entries in Hain is 16,311.

The work of Hain is supplemented by:

Copinger (W. A.). Supplement to Hain's Repertorium biblographicum. 3 vols.
London, 1895-1902. 8vo.

In the first volume of Copinger will be found newly discovered information about the books already catalogued by Hain. The authors and titles are not repeated but the number forms a sufficient clue. Volumes 2 and 3 contain a catalogue of books not registered by Hain arranged by authors in the same manner to the number of 6832 entries. Volume 3 also contains the index by Burger already referred to.

Supplementary to both Hain and Copinger is:

Reichling (D.). Appendices ad Hainii-Copingeri Repertorium bibliographicum additiones et emendationes. 6 parts and index.
Monachii, 1905-1911. 8vo.

This work catalogues books unknown to Hain and Copinger and also gives full details about other books which have been previously imperfectly described.

Each of the six parts is in two sections. The first contains 1921 unregistered works, which are numbered consecutively through the six parts. The second half gives the full titles of books already possessing Hain or Copinger numbers. They are arranged by these numbers, but in one alphabet, in each part. The index volume has separate author indexes for the two sections, and an index by towns and printers which includes both.

In 1910 the Prussian Royal Commission for a General Catalogue of Incunabula, published:

Nachträge zu Hain's Repertorium und seinen Fortsetzungen. Als Probe des Gesamtkatalogs der Wiegendrucke. Herausgegeben von der Kommission für den Gesamtkatalog der Wiegendrucke.
Leipzig, 1910. 4to

It contains the full descriptions of 393 previously undescribed incunabula, and at the same time acts as a specimen of the work ultimately to be published by the Commission.

There is one other work, general in character, which is not yet altogether superseded, although most of the books mentioned in its pages have since been fully described.

Panzer (G. W.) Annales typographici. 11 vols. Norimbergae, 1793-1803. 4to.

The arrangement of Panzer is alphabetical by the Latin names of towns, under which the books are arranged chronologically. Vols. 1-5 contain the fifteenth-century books, while Vols. 9 and 11 contain supplementary lists. Indexes are provided in Vol. 5 and Vol. 11.

There has been compiled by Konrad Burger a most useful concordance to Hain and Panzer.

Burger (K.). Supplement zu Hain und Panzer. Beiträge zur Incunabel-bibliographie. Nummern-concordanz von Panzers lateinischen und deutschen Annalen und Ludwig Hains Repertorium bibliographicum. Leipzig, 1908. 8vo.

This takes the form of a list of the numbers of the books in Panzer with the corresponding number in Hain and *vice versa*. If the work is in Panzer and not in Hain, or the reverse, then other references are given, if possible, and if not, the title is given. It will be noticed that Panzer's Deutsche Annalen are referred to as well as the work above mentioned.

Panzer (G. W.). Annalen der deutschen Literatur. 2 vols. Nürnberg, Leipzig, 1788-1802. 4to.

This is a catalogue in chronological order of all books in the German language printed up to the year 1520.

III. CATALOGUES OF LIBRARIES

Besides the general catalogues and bibliographies of fifteenth-century books there are those which list the books in particular libraries.

Pellechet (M.). Catalogue général des incunables des bibliothèques publiques de France. (Continued by M. Polain.) Paris, 1897, etc. 8vo.

The catalogue of Mdlle. Pellechet registers, as its title indicates, the fifteenth-century books in the public libraries of France. Three volumes have been issued, bringing the alphabet down to **Gregorius.**

In 1898 there appeared the first part of:

Proctor (R. G. C.). An index to the early printed books in the British Museum, with notes of those in the Bodleian Library. (Supplements for 1899-1902. Registers to the Supplements, by K. Burger.) London, 1898-1906. 8vo.

This was the first attempt to arrange a large collection of fifteenth-century books systematically and scientifically by countries, towns and presses. There are indexes of printers and towns, and five author indexes in which the books are entered according as they are in Hain or not in Hain, in Campbell or not in Campbell, or printed in England.

There is now appearing under the editorship of Mr A. W. Pollard:

Catalogue of books printed in the fifteenth century now in the British Museum. Vol. 1-2, etc. London, 1908, etc. 4to.

The same order is adopted for this Catalogue as is used for Proctor's Index, but the books are fully described. References are given to Hain and a few

special bibliographies, but not to Proctor. Facsimiles are added to each volume of all the types of the various printers.

There are many other catalogues of fifteenth-century books in particular libraries. If it is at any time necessary to find the location of the whole of the known copies of any work, then these various lists must be searched. Appendix B is a list of these catalogues arranged in alphabetical order by towns.

IV. NATIONAL CATALOGUES

The next class of bibliography to be described is the catalogue of fifteenth-century books printed in a special country. The most important is:

Campbell (M. F. A. G.). Annales de la typographie Néerlandaise. (Suppléments 1-4.)
La Haye, 1874-1890. 8vo.

Campbell registers all the books printed in the Low Countries during the fifteenth century. The entries are in alphabetical order of authors with an index of printers at the end. A further supplement was issued by Proctor in 1897.

Proctor (R. G. C.). Tracts on early printing, III. Additions to Campbell's Annales.
London, 1897. 8vo.

Spain has been similarly dealt with by:

Haebler (K.). Bibliografia Iberica del siglo 15. . . .
La Haye, 1903. 8vo.

Portuguese books are included and the work is similarly arranged to Campbell.

The work for France unfortunately remains imperfect.

Claudin (A.). Histoire de l'imprimerie en France au 15 et au 6e siècles. Vol. 1-2, Paris, fifteenth century. Vol. 3. Lyons, fifteenth century. Paris, 1900-1905. Fol.

The death of the author renders it very doubtful whether any more will be published. The work is not a bibliography in the strict sense of the term. The history of each printer is given and most, if not all, of the books printed by him are mentioned. Many facsimiles are given.

The works produced by the English printers will be fully described in a work by Mr Gordon Duff, which it is understood will be issued at no very distant date by the Bibliographical Society.

In addition to the works which deal with the history of fifteenth-century printing in special countries there are many volumes devoted to the early history of the art in particular towns. These are set out in Appendix C, the list being arranged by countries in the order of the introduction of printing and then alphabetically by places

V. BIBLIOGRAPHIES OF SPECIAL SUBJECTS

Bibliographers have always had to face the remark that they know nothing of the contents of the books they spend so much time in describing. This is to some extent true, but two bibliographers dealing with fifteenth-century books have redeemed their class. The first book to deal with the subjects of early printed books is :

Harless (C. F.). Die Litteratur der ersten hundert Jahre nach der Erfindung der Typographie. Leipzig, 1840. 8vo.

The author examines and describes the books issued before 1540 from the literary standpoint and groups them according to the topics dealt with. A later effort was:

Steele (R. R.). What fifteenth-century books are about. *In* The Library, New Series. Vols. 4-8. London, 1903-1907. 8vo.

In this series of articles Mr Steele deals with the four great mediæval divisions of knowledge, Theology, Philosophy, Law and Science, and mentions the principal works in each division and section and attempts to ascertain, of the total number of books published, what proportion can be allocated to each class.

During recent years, especially in Germany, there has been an increasing tendency to study early printed books from the subject point of view, and the following list shows the more important works in this field.

Anatomy

Choulant (L.). Geschichte und Bibliographie der anatomischen Abbildungen. Leipzig, 1852. 8vo.

Arithmetic

Smith (D. E.). Rara arithmetica: a catalogue of the arithmetics written before 1601, with a description of those in the ilbrary of G. A. Plimpton. New York. 2 vols. Boston, 1908. 8vo.

Bibles

Stevens (H.). The Bibles in the Caxton Exhibition. London, 1878. 8vo.

Prime (W.). Fifteenth-century Bibles: a study in bibliography. New York, 1888. 8vo.

Darlow (T. H.) and **Moule** (H. F.). Historical catalogue of the printed editions of Holy Scripture in the

Library of the British and Foreign Bible Society. 4 vols. London, 1903-1911. 8vo.

Le Long (J.). Boekzaal der Nederduytsche Bybels. Amsterdam, 1732. 4to.

Eys (W. J. V.). Bibliographie des Bibles et des Nouveaux Testaments en langue française des 15me et 16me siècles. 2 parts. Genève, 1900-1901. 8vo.

Walther (W.). Die deutsche Bibelübersetzung des Mittelalters. 3 parts. Braunschweig, 1889-1892. 4to.

Goeze (J. M.). Versuch einer Historie der gedruckten Niedersächsischen Bibeln. 1470-1621. Halle, 1775. 4to.

Copinger (W. A.). Incunabula Biblica, or the first half century of the Latin Bible, 1450-1500. London, 1892. Fol.

Book Advertisements

Burger (K.). Buchhändleranzeigen des 15 Jahrhunderts. Leipzig, 1907. Fol.

Botany

Tornabene (F.). Ricerche bibliografiche sulle opere botaniche del secolo 15. Catania, 1840. 8vo.

Calendars

Heitz (P.) and **Haebler** (K.). 100 Kalender Inkunabeln. Strassburg, 1905. Fol.

Fables

Keidel (G. C.). A manual of Æsopic fable literature. A first book of reference for the period ending 1500. Baltimore, 1896. 8vo.

History

Baer (L.). Die illustrierten Historienbücher des 15 Jahrhunderts. Strassburg, 1903. 4to.

Hours

Lacombe (P.). Livres d'heures imprimés au 15e et au 16e siècle conservés dans les Bibliothèques publiques de Paris. Paris, 1907. 8vo.

Hoskins (E.). Horae beatae Mariae Virginis or Sarum and York Primers, with kindred books and primers of the Reformed Roman use. London, 1901. 8vo.

Bohatta (H.). Bibliographie der Livre d'Heures, Officia, Hortuli Animae, Coronae B.M.V., Rosaria et Cursus B.M.V. des 15 und 16 Jahrhunderts. Wien, 1909. 8vo.

Liturgies

Bohatta (H.) Katalog der liturgischen Drucke des 15 und 16 Jahrhunderts in der Herzogl. Parma, schen Bibliothek in Schwarzan am Steinfeld. Wien, 1909, etc. 4to.

Bohatta (H.). Liturgische Bibliographie des 15 Jahrhunderts mit Ausnahme der Missale und Livres d'Heures. Wien, 1911. 8vo.

Klemming (G. E.). Sverige-äldre liturgiska literatur. Stockholm, 1879. Fol.

Medicine

Choulant (J. L.). Handbuch der Bücherkunde für die aeltere Medicin. Zweite Auflage. Vol. 1. Leipzig, 1841. 8vo.

Hough (J. S.). Incunabula Medica (Prodomus bibliographicus) Directorium bibliothecarum cum nominibus et locis earum quae viginti vel plura medicorum librorum. [Facsimiles.]
Trentonii, 1889. 4to.

Suhhoff (K.). Deutsche Medizinische Inkunabeln.
Leipzig, 1908. 8vo.

Missals

Weale (W. H. J.) Bibliographia Liturgica. Catalogus missalium ritus Latini ab anno 1475 impressorum.
London, 1886. 8vo.

Essling (Prince d'). Les Missels imprimés à Venise de 1481 à 1600. Paris, 1896. Fol.

New Year Wishes

Heitz (P.). Neujahrswünsche des 15 Jahrhunderts. 3. Ausgabe. Strassburg, 1909. 4to.

Pest-Blätter

Heitz (P.) and **Schreiber** (W. L.). Pest-blätter des 15 Jahrhunderts. Strassburg, 1901. Fol.

Rappresentazioni

Ancona (A. d'). Sacre rappresentazioni dei secoli 14, 15 e 16. 3 vols. Firenze, 1872. 8vo.

Ten Commandments

Geffcken (J.). Der Bildercatechismus des funfzehnten Jahrhunderts, etc. [Part] 1. Die Zehn Gebote.
Leipzig, 1855. 4to.

VI. TYPES

We have now dealt with the identifying of fifteenth-century books by literary methods—that is to say, from the author's or printer's name occurring in the book. There are, however, many cases where it is necessary to identify a book by its type, especially where the "book" is only a fragment.

The whole of the types used during the fifteenth century have been registered in:

Haebler (K.). Typen-Repertorium der Wiegendrucke. 4 vols. Halle, 1905-1910. 8vo

The main body of the work is a catalogue of all the types used by each printer, arranged by countries, towns and presses.

The measurements of the types is given in so many millimetres to twenty lines of type, measured from the top of the short letters in the first line to the top of the short letters in the twenty-first line. In addition to these measurements if the type is a Gothic, the shape of the capital M is given in facsimile, and if a Roman, it is noted whether the Qu is a logotype or in separate letters. Further information is supplied as to initials, punctuation, and other points which help to the identification of the type. The index is in two parts, Gothic and Roman. The Gothic index is arranged by the form of the capital M, the varieties exceeding one hundred. These are subdivided by the number of millimetres to the twenty lines of type, so that if a book is printed in a type measuring 84 millimetres and with Haebler's M No. 42, the index must be referred to at M 42, under this will be found the types of all sizes using that form of M. Several types 84 may be found. Then

references can be made to the facsimiles of types to which Haebler refers.

As to Roman type, the index is only divided into two sections, one with the Qu in one, and the other with the types that have the Q u as separate letters. Under these headings the types are arranged by their measurements.

VII. FACSIMILES

Turning now to the facsimiles of type we have first:

Burger (K.). Monumenta Germaniae et Italiae typographica. Parts I.-IX., etc.
Berlin, 1892-1913, etc. Fol.

This work forms a collection of separate plates showing the most important types used in Germany and Italy. It is to be completed in twelve parts. An index was issued covering the first six parts.

The next series of facsimiles to be published was:

Dunn (G.). Photographs of early types, designed to supplement published examples. (The Woolley Facsimiles.) 5 boxes.
Woolley, 1899-1905. Fol.

The series contains 500 photographs mostly from books in the possession of the late Mr Dunn. The prints are mounted on cards, and are accompanied by a list which gives the printers' names and the title of each book. References are given to Hain and Proctor.

The Type Facsimile Society was originated by Mr R. Proctor in 1900, and published a large number of collotype facsimiles.

Type Facsimile Society. Publications.
Oxford, 1900-1908. 4to.

An index was issued to the parts for 1900-1906, and each year has a list giving the details of each facsimile.

The work of the Type Facsimile Society has been taken up by:

Gesellschaft für Typenkunde des 15. Jahrhunderts Veröffentlichungen. Leipzig, 1907, etc. Fol.

The plates issued by this Society have one great advantage over any of their predecessors. Each plate is complete in itself, and no reference is necessary to any list or catalogue. The place of printing and the printer's name, the technical description of the type and a facsimile of the capital M, the title of the book and the references to bibliographies, an indication of the location of the particular copy photographed, together] with complete alphabets of the large and small letters of the type, are all given on the plate itself.

The four series of facsimiles described above are all general in their scope. There are, however, some other series of facsimiles to be described which limit their work to a particular county and therefore form a very valuable addition to the general collections. Taking these in their chronological order we have first:

Holtrop (J. W.). Monuments typographiques des Pays-Bas au 15e siècle. La Haye, 1868. Fol.

This is an old book, and perhaps lacks some of the precision of the later works, but it is still invaluable for the types of the Low Countries.

Then for France we have:

Thierry-Poux (O.). Premier Monuments de l'imprimerie en France au 15e siècle. Paris, 1890. Fol.

It is impossible to work on any French presses without the help of Thierry-Poux. The plates are good,

and although for Paris and Lyons it is necessary to refer to the numerous facsimiles in

Claudin (A.). Histoire de l'imprimerie en France au 15e et au 16e siècles. Vol. 1-2, Paris, fifteenth century. Vol. 3, Lyon, fifteenth century. Paris, 1900-1905. Fol.

it is very doubtful when Thierry-Poux will be superseded as far as the provincial presses are concerned.

For Spain a series of facsimiles exists in:

Haebler (K.). Typographie ibérique du 15e siècle. La Haye, 1901-1902. Fol.

This includes Portugal, and the fifteenth-century types of both countries are very fully illustrated.

Our own country is indebted to Mr. Gorden Duff for:

Duff (E. G.). Early English printing. A series of facsimiles. London, 1896. Fol.

In this work is illustrated the whole of the different types used in England in the fifteenth century.

VIII.—GREEK PRINTING

Most of the works just mentioned only refer to Gothic and Roman types, which of course formed the body types of the great majority of the books issued.

In addition to these three other important types were used in the fifteenth century—Greek, Hebrew, and music type. Slavonic type was also used at Venice, Cracow, and Cetinje. For Greek type the authority is:

Proctor (R. G. C.). The printing of Greek in the fifteenth century. London, 1900. 4to.

This is a history and description of all the Greek types used before 1501 and contains facsimiles.

IX. HEBREW PRINTING

Hebrew books are very difficult to identify, but the scholar who really wishes to work on them will find a considerable amount of material in the works in the following list :—

Rossi (J. B. de). De typographia Hebraeo-Ferrariensi. Parmae, 1780. 8vo.

Rossi (J. B. de). Annales Hebraeo typographici. Sec. 15. Parmae, 1795. 4to.

Steinschneider (M.). Catalogus Librorum Hebraeorum in Bibliotheca Bodleiana. Berolini, 1852-1860. 4to.

Schwab (M.). Les incunables orientaux et les impressions orientales au commencement du 16e siècle. Paris, 1883. 8vo.

Simonsen (D.). Hebraisk bogtryk i aeldre og nyere tid. Kjöbenhavn, 1901. 4to.

Freimann (A.). Ueber Hebräische Inkunabeln. Leipzig, 1902. 8vo.

Cohen (A.). Hebrew incunabula in Cambridge. Cambridge, 1907. 8vo.

Amran (D. W.). The makers of Hebrew books in Italy. Philadelphia, 1909. 8vo.

X. MUSIC PRINTING

Music type was used frequently during the fifteenth century, principally for liturgical works. The three titles below indicate the best works to refer to for information on the subject. **Steele's English Music Printing** (Bibliographical Society) may also be referred to for a

valuable statement on the historical aspect, but as there was only one English book with an attempt at music printing before 1501, the bibliography does not come into this section.

Vernarecci (A.). Ottaviano de Petrucci da Fossombrone inventore dei tipi mobili metallici fusi della musica nel secolo 15. 2da edizione.
Bologna, 1882. 8vo.

Springer (H.). Zur Musiktypographie in der Incunabelzeit. Leipzig, 1903. 8vo.

Molitor (R.). Deutsche Choral-Wiegendrucke.
Regensburg, 1904. 4to.

The last work contains some useful facsimiles.

XI. WOODCUTS AND ENGRAVINGS

The woodcuts and other prints of the fifteenth century occur in one of three different ways: As part of a block book in which the text as well as the illustrations is cut on the block, as separate prints and as illustrations to books printed with movable type.

For the more technical standpoint and for general catalogues of the prints themselves reference should be made to:

Dodgson (C.). Catalogue of early German and Flemish woodcuts preserved in the Department of Prints and Drawings in the British Museum.
London, 1903, etc. 8vo.

Hind (A. M.). Catalogue of early Italian engravings preserved in the Department of Prints and Drawings in the British Museum. 2 vols.
London, 1900-1909. 8vo.

For a description of the actual processes and their origin the introductions to the above-mentioned works should be consulted and a further reference made (for intaglio work) to:

Hind (A. M.). A short history of engraving and etching. 2nd edition. London, 1911. 8vo.

XII. BLOCK BOOKS

The block books form a very interesting class and a considerable controversy has raged around them. By placing them in front of the section dealing with single points it has not been intended to thereby indicate that that is their proper chronological position. The following books deal exhaustively with the subject:—

Sotheby (S. L.). Principia typographica. The block books issued in Holland, Flanders, and Germany during the fifteenth century exemplified and considered in connection with the origin of printing. To which is added an attempt to elucidate the character of the paper-marks of the period. 3 vols. London, 1858. Fol.

Berjeau (J. P.). Catalogue illustré des livres xylographiques. Londres, 1865. 8vo.

Weigel (T. O.). and **Zestermann** (A.). Die Anfänge der Druckerkunst in Bild und Schrift. 2 vols. Leipzig, 1866. Fol.

Schreiber (W. L.). Basels Bedeutung für die Geschichte der Blockbücher. Strassburg, 1909. 8vo.

Schreiber (W. L.). Catalogue de la collection précieuse de M. le Professeur W. L. Schreiber [of block books and engravings]. Vienne, 1909. 4to.

Schreiber (W. L.). Manuel de l'amateur de la gravure sur bois et sur métal au 15e siècle. Vols. 1-8. Berlin, 1891-1911. 8vo and Fol.

The last work mentioned is of great importance, as it not only deals with the block books, but with single prints and with all the illustrated books published in Germany, Switzerland, Austria, and the Scandinavian countries.

XIII. SINGLE PRINTS

The separate prints above referred to had been neglected until recent years. Since 1906 a series of facsimiles and descriptions has been published in Germany and a very large number of the single prints existing in the libraries of Germany, Austria and Switzerland have been dealt with. The title of this series is:

Heitz (P.). Einblattdrucke des 15ten Jahrhunderts. Strassburg, 1906, etc. Fol.

and a list of the individual volumes follows.

Lehrs (M.). Über einige Holzschnitte des 15ten Jahrhunderts in der Stadtbibliothek zu Zürich. Strassburg, 1906. Fol.

Schreiber (W. L.). Holzschnitte und Schrotblätter aus der Kgl. Universitäts-Bibliothek in Tübingen. Strassburg, 1906. Fol.

Leidinger (G.). Eingel-Holzschnitte des 15ten Jahrhunderts in der Kgl. Hof und Staatsbibliothek München. 2 vols. Strassburg, 1907-1910. Fol.

Molsdorf (W.). Holzschnitte und Schrotblätten aus der Königlichen und Universitäts-Bibliothek Breslau. Strassburg, 1907. Fol.

Schreiber (W. L.). Holzschnitte des 15ten Jahrhunderts in den Fürstlich Fürstenbergischen Sammlungen zu Donaueschingen. Strassburg, 1907. Fol.

Schreiber (W. L.). Holzschnitte des 15ten Jahrhunderts in der Königlichen Landesbibliothek zu Stuttgart. Strassburg, 1907. Fol.

Sillib (R.). Holz-und Metallschnitte aus der Grossh. Universitäts-Bibliothek Heidelberg.
Strassburg, 1907. Fol.

Leidinger (G.). Die Einzel-Metallschnitte (Schrotblätter) des 15ten Jahrhunderts in der Kgl. Hof-und Staats-Bibliothek, München.
Strassburg, 1908. Fol.

Leidinger (G.). 40 Metallschnitte des 15 Jahrhunderts aus Münchener Privatbesitz.
Strassburg, 1908. 8vo.

Major (E.). Holzschnitte des 15ten Jahrhunderts in der Öffentlichen Kunstsammlung zu Basel.
Strassburg, 1908. Fol.

Molsdorf (W.). Formschnitte des 15ten Jahrhunderts aus der Sammlung Schreiber.
Strassburg, 1908. Fol.

Molsdorf (W.). Die Niederländische Holzschnitt-Passion Delbecq-Schreiber. (II. Teil von G. Gugenbaner.) 2 vols.
Strassburg, 1908-1912. Fol.

Schulz (F. T.). Die Schrotblätter des Germanischen Nationalmuseums zu Nürnburg.
Strassburg, 1908. Fol.

Clauss (J. M. B.). Holz-und Metallschnitte des 15ten Jahrhunderts aus der Stadtbibliotheker zu Colmar und Schlettstadt im Elrass.
Strassburg, 1909. Fol.

Koegler (H.). Einzelne Holz-und Metallschnitte des 15ten Jahrhunderts aus der Universitäts-bibliothek im Basel. Strassburg, 1909. Fol.

Pleiffer (M.). Einzel-Formschnitte des 15ten Jahrhunderts in der Königl-Bibliothek Bamberg. 2 vols. Strassburg, 1909-1911. Fol.

Schmidbauer (R.). Einzel-Formschnitte des 15ten Jahrhunderts in der Staats, Kreis und Stadt Bibliothek Augsburg. Strassburg, 1909. Fol.

Weis-Liebersdorf (J. E.). Inkunabeln des Formschnitts in der Bibliotheken zu Eichstätt. Strassburg, 1910. Fol.

Benziger (C.). Holzschnitte des 15ten Jahrhunderts in der Stadtbibliothek zu Bern. Strassburg, 1911. Fol.

Geisberg (M.). Die Formschnitte des 15ten Jahrhunderts im Kgl. Kupferstich-kabinett zu Dresden. Strassburg, 1911. Fol.

Major (E.). Frühdrucke von Holz-und Metallplätter aus der Bibliotheker des Barfüsserklosters in Freiburg i. S. und des Kapuzinerklosters in Luzern. Strassburg, 1911. Fol.

Röttinger (H.). Einzel-Formschnitte des 15ten Jahrhunderts aus der Erzherzoglichen Kunstsammlung Albertina in Wien. Strassburg, 1911. Fol.

Gugenbauer (G.). Kupferstiche und Einzelformschnitte des 15 ten Jahrhunderts in der K. K. Studienbibliothek zu Linz a. Donau. Strassburg, 1912. Fol.

Sarnow (E.). Formschnitte und Kupferstiche im Besitze der Stadtbibliothek zu Frankfurt a. M. Strassburg, 1912. Fol.

Schreiber (W. L.). Holzschnitte aus dem ersten und zweiten (letzten) Duttel des 15ten Jahrhunderts in der Kgl. Graphischen Sammlung zu München. 3 vols. Strassburg, 1912. Fol.

XIV. BOOK ILLUSTRATION

The section of prints occurring in printed books is the largest and perhaps the most important from the standpoint of this book. The most useful introduction to the subject is:

Pollard (A. W.). Early illustrated books. London, 1893. 8vo.

This work gives a clear account of the early development of illustrated books.

A considerable number of works have been published which give facsimiles or descriptions enabling the student to trace a woodcut or engraving. Schreiber's work has been already mentioned, but the title of Vol. 5, which deals with this special section, is repeated here.

Schreiber (W. L.). Manuel de l'amateur de la gravure sur bois et sur métal au 15e. siècle. Tom 5e. Contenant un Catalogue des incunables à figures imprimés en Allemagne en Suisse, en Autriche Hongrie et en Scandinavie. Parts I.-II. Leipzig, 1910-1911. 8vo.

The catalogue is arranged by authors and the woodcuts of each book are fully described. The work finishes with an index by towns and printers and concordances showing which of the books in Hain, Copinger and Proctor are dealt with.

Many of the German woodcuts are illustrated in:

Muther (R.). Die deutsche Bücher-illustration der Gothik and Frührenaissance (1460-1530). 2 vols. München, 1884. Fol.

There are also monographs on the illustrations of Lübeck and Strassburg.

LÜBECK

Tronnier (A.). Die Lübecker Buchillustration des 15ten Jahrhundundens. Strassburg, 1904. 8vo.

STRASSBURG

Kristeller (P.). Die Strassburger Bücherillustration im 15 und im Anfang des 16 Jahrhunderts. Leipzig, 1888. 8vo.

As an appendix to the German series, there is a handbook to those of Basel.

BASEL

Weisbach (W.). Die Baseler Buchillustration der 15 Jahrhundert. Strassburg, 1896. 8vo.

For illustrated books published in France the student is again referred to Claudin's *Histoire de l'imprimerie en France*. There is also a volume of reproductions which may be looked at but used with caution.

Gravures sur bois tirées des livres Français du 15e. siècle. Paris, 1868. 4to.

Several works dealing with Vérard and his illustrated books will be found in Appendix C, but the following work dealing especially with the woodcuts has been placed here:—

Renouvier (J.). Des gravures en bois dans les livres d'Ant. Vérard. Paris, 1859. 8vo.

Italian illustration has a few guides, two at least covering the whole field and forming good introductions to a study of the subject.

Lippmann (F.). Der Italienische Holzschnitt in 15 Jahrhundert. Berlin, 1885. Fol.

Lippmann (F.). The art of wood-engraving in Italy in the fifteenth century. London, 1888. 8vo.

Pollard (A.W.). Italian book illustrations, chiefly of the fifteenth century. London, 1894. 8vo.

Reid (G. W.) Works of the Italian engravers of the fifteenth century reproduced in facsimile. London, 1884. Fol.

For Venetian presses the work of the Prince d'Essling is all-sufficient.

Essling (Prince d'). Les livres à figures venitiens de la fin du 15e. siècle et du commencement du 16e. Florence, 1907, etc. Fol.

The date of the first illustrated edition of a book governs the arrangement, all the later editions being grouped after the first. Vol. 1, Parts I.-II. contain the fifteenth-century books. Presumably the last part when published will contain indexes which are wanted very badly in order that the work can be consulted with ease.

The Florentine woodcut books have been catalogued and described by:

Kristeller (P.). Early Florentine woodcuts, with an annotated list of Florentine illustrated books. 2 vols. London, 1897. 8vo.

The woodcuts of the Low Countries have been exhaustively dealt with by:

Conway (W. M.). The woodcutters of the Netherlands in the fifteenth century. In three parts.

I. History of the woodcutters. II. Catalogue of the woodcuts. III. List of the books containing woodcuts. Cambridge, 1884. 8vo.

This work, as will be seen from the title, describes the work of the illustrators of the Low Countries in detail. It will be found very valuable.

The development of the study of woodcuts has resulted in some special monographs being produced which give most useful details.

Kautzsch (R.). Die Holzschnitte der Kölner Bibel von 1479. Strassburg, 1896. 8vo.

This work deals with the woodcuts of the Low German Bible issued by Quentell at Köln in 1479.

Schreiber (W. L.) and **Heitz** (P.). De deutschen "Accipies" und Magister cum Discipulus Holzschnitte als Hilfsmittel zur Incunabelbestimmung. Strassburg, 1908. 8vo.

There are many books issued during the latter part of the fifteenth century which have some modification of a school scene as a title-page cut. The whole of the varieties of this design are catalogued in the above work and the books noted in which they appear.

Heitz (P.). Christus am Kreuz. Kanonbilder der in Deutschland gedruckten Messbücher des 15ten Jahrhunderts. Strassburg, 1910. Fol.

This is another case of a monograph on a particular form of cut. It relates to the Crucifixion cut usually found in Missals immediately preceding the Canon of the Mass.

XV. COLOUR PRINTING

Finally, as regards illustrations, there are a few fifteenth-century books containing illustrations printed in

colours. For full particulars as to the use of coloured inks during this period reference should be made to:

Burch (R. M.). Colour printing and colour printers. London, 1910. 8vo.

XVI. MAPS

Maps as occurring in early printed books are naturally either woodcuts or copperplate engravings. The two British Museum catalogues by A. M. Hind and C. Dodgson, of Italian engravings and German woodcuts respectively, should be referred to, the Italian engraved maps being of course specially dealt with in Mr Hind's work.

XVII. INITIALS

Printed initials are very important in the study of incunabula. It is very often the case that an ornamental initial will give a clue to the printer when everything else fails. The general book on the subject is:

Jennings (O.). Early woodcut initials. London, 1908. 4to.

but much information is to be found in the books on illustration (*see* XIII.).

The initials used by Grüninger at Strassburg have been facsimiled and described in:

Heitz (P.). Der Initialschmuck in den elsassischen Drucken des 15 und 16 Jahrhunderts. 2te Reihe. Zierinitialen in Drucken des Johann Grüninger. (Strassburg, 1483-1531). Strassburg, 1897. 4to.

XVIII. PRINTERS' MARKS

The marks used by the early printers afford a useful clue when the book does not give any more definite information. There are lists and facsimiles of these printers' marks which enable almost all to be identified very quickly. The list following gives first the general collections and then collections on special countries and towns arranged alphabetically.

Roth-Scholtzius (F.). Thesaurus symbolorum ac emblematum, *i.e.*, Insignia bibliopolarum et typographorum ab incunabulis typographiae ad nostra usque tempora. Norimbergae, 1730. Fol.

Lempertz (H.). Insignien berühmter Druckereien des 15 Jahrhunderts welche bei Rothscholtz fehlen. [2te. Aufl.] Köln, 1839. 4to.

Berjeau (J. P.). Early Dutch, German, and English printers' marks. London, 1866-1869. 8vo.

Delalain (P.). Cercle de la Librairie. Bibliothèque Technique. Inventaire des marques d'imprimeurs et de libraires. 2e. ed. Paris, 1892. 4to.

Roberts (W.). Printers' marks. A chapter in the history of typography. London, 1893. 8vo.

Antwerp

Havre (G. v.). Marques typographiques des imprimeurs et libraires Anversois. 2 vols. Anvers, 1883-1884. 8vo.

Basel

Heitz (P.) and **Bernoulli** (C. C.). Basler Büchermarken bis zum Anfang des 17. Jahrhunderts. Strassburg, 1895. Fol.

France

Silvestre (L. C.). Marques typographiques. 2 vols. Paris, 1853-1867. 8vo.

Geneva

Heitz (P.). Genfer Buchdrucker und Verlegerzeichen in 15, 16 and 17 Jahrhundert. Strassburg. 1908. Fol.

Italy

Kristeller (P.). Die italienischen Buchdrucker-und Verlegerzeichen bis 1525. Strassburg, 1893. Fol.

Köln

Heitz (P.) and **Zaretzky** (O.). Die Kölner Büchermarken bis Anfang des 17 Jahrhunderts. Strassburg, 1898. Fol.

Mainz

Heitz (P.). Frankfurter und Mainzer Drucker-und Verlegerzeichen bis in das 17 Jahrh. Strassburg, 1895. Fol.

Spain

Haebler (K.). Spanische und Portugisische Bücherzeichen des 15 und 16 Jahrhunderts. Strassburg, 1898. Fol.

Strassburg

Heitz (P.) and **Barack** (K. A.). Elsässische Büchermarken bis Anfang des 18 Jahrhunderts. Strassburg, 1892. Fol.

XIX. COLOPHONS

The colophons of the early printers afford an interesting study apart from their mere utilitarian value. Mr A. W. Pollard has written an interesting account of the origin and growth of the colophon.

Pollard (A. W.). An essay on colophons. (Caxton Club.) Chicago, 1905. 4to.

XX. TITLE-PAGES

The title-page does not appear in many fifteenth-century books, although it was used as early as 1463. The only work on its early history is:

Pollard (A. W.). Last words on the history of the title-page, with notes on some colophons. London, 1891. 4to.

De Vinne's "Title-Pages as seen by a Printer," 1902, being more of a practical work on design in typography.

XXI. SIGNATURES

The origin and development of signatures in early printed books has been dealt with in the two books undermentioned.

Serna Santander (G. A. de la). Mémoire sur l'origine et le premier usage des signatures et des chiffres dans l'art typographique. Bruxelles, 1796. 8vo.

Blades (W.). Bibliographical miscellanies. I. The use and development of signatures in books. London, 1890. 8vo.

XXII. WATERMARKS

Watermarks in paper afford some slight help in locating the place of origin of an early book. At the same time paper no doubt was sent from place to place, perhaps even to considerable distances, and it is very unsafe to rely on the evidence of a watermark alone. Some information on this subject will be found in the third volume of Sotheby's "Principia Typographica," 1858. However, the most complete work is quite recent, and possesses the enormous number of 16,000 illustrations of watermarks.

Briquet (C. M.). Les filigranes: dictionnaire historique des marques du papier des leur apparition vers 1282 jusqu'en 1600. 4 vols.
Paris, 1907. Fol.

The illustrations in this work are arranged alphabetically according to their subject, and it becomes almost a simple matter to identify any particular mark.

Many other works exist, a few of the more important titles being subjoined:

Del Marmol (F.). Dictionnaire des filigranes classés en groupes alphabétiques et chronologiques.
Namur, 1900. 8vo.

Heitz (P.). Les filigranes des papiers contenus dans les incunables Strasbourgeois de la Bibliothèque Impériale de Strasbourg.
Strassburg, 1903. 4to.

Heitz (P.). Les filigranes avec la crosse de Bâle.
Strassburg, 1904. 4to.

Piekosinski (F.). Wybórznaków wodnych z 15 stulecia. Krakowie, 1896. 4to.

APPENDIX A

An Index of the Latin names of towns in which printing was established during the fifteenth century, with their vernacular equivalents

APPENDIX A

Abbatis Villae . .	Abbeville.
Aesi	Iesi.
Albiae . . .	Albi.
Alostiae . . .	Alost.
Altae Villae . .	Eltvil.
Andegavi . . .	Angers.
Antverpiae . .	Anvers.
Aquae Stellatae . .	Acqui.
Aquilae . . .	Aquila.
Argentinae . .	Strassburg.
Arriacae . . .	Guadalajara.
Asculi . . .	Ascoli.
Augusta Bracharensi (In) .	Braga.
Augustae Tiberii .	Regensburg.
Augustae Trevirorii .	Trier.
Augustae Vindelicorum	Augsburg.
Aurelianii . . .	Orleans.
Avenione . . .	Avignon.
Babenbergae . .	Bamberg.
Bambergae . .	Bamberg.
Barci . . .	Barco.
Barcinone . . .	Barcelona.
Basileae . . .	Basel.
Bergomi . . .	Bergamo.
Bipontii . . .	Zweibrucken.
Blauburnii . .	Blaubeuren.
Bononiae . . .	Bologna.

Brixiae	BRESCIA.
Brugae	BRUGES.
Brunnae	BRUNN.
Bruxellis	BRUXELLES.
Budae	BUDA-PEST.
Burgdorf	BURGDORF.
Burgis	BURGOS.
Burgitana	BURGOS.
Buscoducis	'S HERTOGENBOSCH.
Cabeliacii	CHABLIS.
Cadomi	CAEN.
Caesaraugustae	ZARAGOZA.
Calariis	CAGLIARI.
Callii	CAGLI.
Camberiaci	CHAMBÉRY.
Capuae	CAPUA.
Carnotii	CHARTRES.
Casale Magii	CASAL MAGGIORE.
Casali	CASAL DI SAN VASO.
Casellarum Oppidii	CASELLE.
Cathalaunii	CHÂLONS-SUR-MARNE.
Caurii	CORIA.
Civitas Castellanae	CIVIDALE DI FRIULI.
Clavasii	CHIVASSO.
Cluniacense Monast.	CLUNI.
Collae	COLLE.
Coloniae	KÖLN.
Comii	COMO.
Cracoviae	KRAKAU.
Cremonae	CREMONA.
Cusentiae	COSENZA.
Dantiscii	DANZIG.
Daventriae	DEVENTER.

Delphis	DELFT.
Dertosae	TORTOSA.
Divione	DIJON.
Dolae Sequan	DÔLE.
Ebrodunii	EMBRUN.
Engolismae	ANGOULÊME.
Erphordiae	ERFURT.
Exii	IESI.
Eystadii	EICHSTATT.
Farae	FARO.
Ferrariae	FERRARA.
Fivizani	FIVIZZANI.
Florentiae	FIRENZE.
Forilivii	FORLI.
Freibergae	FREIBERG (BEI LEIPZIG).
Friburgii	FREIBURG IM BREISGAU.
Frisingae	FREISING.
Fulginei	FULIGNO.
Gaietae	GAETA.
Gebennis	GENÈVE.
Gedanii	DANZIG.
Genuae	GENOVA.
Gironae	GERONA.
Granatae	GRANADA.
Gratianopolis	GRENOBLE.
Hafniae	KJÖBENHAVN.
Hagenoae	HAGENAU.
Hamburgi	HAMBURG.
Harlemii	HAARLEM.
Hasseletii	HASSELT.
Heidelbergae	HEIDELBERG.
Herbipolae	WÜRZBURG.

Hispali	SEVILLA.
Holmiae	STOCKHOLM.
Illerdae	LERIDA.
Ingolstadii	INGOLSTADT.
Klein Troya	KIRCHHEIM.
Kuttembergae	KUTTENBERG.
Lantenacii	LANTENAC.
Lausannae	LAUSANNE.
Laugingae	LAUGINGEN.
Leiriae	LEIRIA.
Lemovicii	LIMOGES.
Lipsiae	LEIPZIG.
Londinii	LONDON.
Lovanii	LOUVAIN.
Lubecae	LÜBECK.
Lucae	LUCCA.
Lugduni	LYON.
Lugduni Batavorum	LEIDEN.
Luneburgi	LÜNEBURG.
Lyptzck	LEIPZIG.
Magdeburgii	MAGDEBURG.
Maguntinae	MAINZ.
Majoricencis Palmae	MALLORCA.
Mantuae	MANTOVA.
Marianopolae	MARIENBURG.
Marienthal	MARIENTHAL.
Marispolae	MERSEBURG.
Matisci	MÂCON.
Mediolani	MILANO.
Memmingae	MEMMINGEN.

Messanae . .	. MESSINA.
Mettensis Civitas	. METZ.
Moguntinae .	. MAINZ.
Monachii . .	. MÜNCHEN.
Monast. Sortense	. SCHUSSENRIED.
Monast. Westfalii	. MÜNSTER (WESTFÄLEN.)
Monteregali .	. MONDOVI.
Monteregio .	. MONTEREY.
Montisserrati (in Monas)	MONSERRATE.
Murciae . .	. MURCIA.
Mutinae . .	. MODENA.
Namnetii . .	. NANTES.
Narbonae . .	. NARBONNE.
Neapoli . .	. NAPOLI.
Nonantulae .	. NONANDOLA.
Norimbergae .	. NÜRNBERG.
Novimagii . .	. NIJMEGEN.
Nozanii . .	. NOZZANO.
Novis . .	. NOVI.
Offenburgii .	. OFFENBURG
Olomucensii .	. OLMÜTZ.
Ottoniae . .	. ODENSE.
Oxonii . .	. OXFORD.
Paduae . .	. PADOVA.
Pampilonae .	. PAMPLONA.
Panormitii .	. PALERMO.
Papiae . .	. PAVIA.
Parisiis . .	. PARIS.
Parmae . .	. PARMA.
Pataviae . .	. PASSAU

Patavii	PADOVA.
Perpiniani	PERPIGNAN.
Perusiae	PERUGIA.
Petracorae	PÉRIGUEUX.
Phorcae	PFORZHEIM.
Pictavis	POITIERS.
Pilsnae	PILSEN.
Pinerolii	PINEROLO.
Pisciae	PESCIA.
Pisis	PISA.
Placentiae	PIACENZA.
Plebisacii	PIOVE DI SACCO.
Polliani	POGLIANO.
Portesii	PORTESIO.
Pragae	PRAG.
Promontorii	PROMENTHOUX.
Pruvinii	PROVINS.
Ratisponae	REGENSBURG.
Redones	RENNES.
Regii	REGGIO D'EMILIA.
Regii Calabriae	REGCIO DI CALABRIA.
Reutlingae	REUTLINGEN.
Richenstenii	REICHENSTEIN
Romae	ROMA.
Rostochii	ROSTOCK.
Rothomagi	ROUEN.
Rubeo Monte (In)	ROUGEMONT (VAUD).
Salinae	SALINS.
Salmanticae	SALAMANCA.
Salutiarii	SALUZZO.
Sancto Ursio (In)	SANTORSI.
Sanctum Cucufatum (Apud)	SAN COLGAT DEL VALLES.

Sanctus Albanii	St. Albans.
Sanctus Germanii	Sangermano.
Savilliani	Savigliano.
Scandiani	Scandiano.
Schiedamii	Schiedam.
Scoonhoviae	Schoonhoven.
Senis	Siena.
Slesvicii	Schleswig.
Spirae	Speier.
Stendaliae	Stendal.
Stutgardiae	Stuttgart.
Subiacii	Subiaco.
Sursii	Sursee.
Tarvisii	Treviso.
Taurini	Torino.
Tergii	Gouda.
Terraconae	Tarragona.
Tholosanae	Toulouse.
Toleti	Toledo.
Tolosae	Toulouse.
Trecis	Troyes.
Trecorii	Tréguier.
Trevii	Trevi.
Tubingae	Tübingen.
Turonii	Tours.
Tusculanae	Toscolano.
Tzennae Claustrum	Zinna.
Ultrajecti	Utrecht.
Ulyssipone	Lisboa.
Urachii	Urach.
Urbinii	Urbino.
Utinii	Udine.

Valencianae	VALENCIENNES.
Valentiae	VALENCE.
Valentiae	VALENCIA.
Vallisoleti	VALLADOLLID.
Venetiis	VENEZIA.
Vercellis	VERCELLI.
Veronae	VERONA.
Vesuntii	BESANÇON.
Viennae	VIENNE.
Viennae Austriae	WIEN.
Vincentiae	VICENZA.
Vindobonae	WIEN.
Vinterbergae	WINTERBERG.
Viqueriae	VOGHERA.
Viterbii	VITERBO.
Vratislaviae	BRESLAU.
Westmonasterii	WESTMINSTER.
Zamorae	ZAMORA.
Zwollis	ZWOLLE.

APPENDIX B

A list of Catalogues of collections of fifteenth-century books arranged in alphabetical order by places

APPENDIX B

Catalogues of Collections of Incunabula

Albi—Portal (C.), Bibliothèque d'Albi. Catalogue des Incunables. Paris, 1892. 8vo.

Aschaffenburg — Merkel (J.), Kritisches Verzeichniss höchst seltener Incunabeln und alter Drucke, welche in der ehemals Kurfürstlich - Mainzischen jetzt Königl. Bayerischer Hof-Bibliothek in Aschaffenburg aufbewahrt werden. Aschaffenburg, 1832. 8vo.

—— Renz (W.), Die Inkunabeln der Stiftsarchiv Bibliothek. Aschaffenburg, 1908. 8vo.

Auch—Parfouru (P.), Bibliothèque de la Ville. Catalogue des Incunables. Auch, 1884. 8vo.

Basel—Bernoulli (C. C.), Die Incunabeln des Basler Staatsarchiv. Basel, 1910. 8vo.

Berlin—Voullième (E.), Die Inkunabeln der Königlichen Bibliothek und der anderen Berliner Sammlungen. Leipzig, 1906. 8vo.

Besançon—Castan (A.), Besançon. Bibliothèque Publique. Catalogue des Incunables. Besançon, 1893. 8vo.

Bielefeld—Bertram (T.), Beschreibung der Inkunabeln, die sich in den Bibliotheken des Gymnasiums und der Altstädter Kirche zu Bielefeld befinden. Leipzig, 1906. 8vo.

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APPENDIX C

A list of books on the history of printing in the fifteenth century in particular countries and towns, preceded by a list of the typographical gazetteers. The whole being supplementary to Section 4 of the book:

1. Gazetteers.
2. Germany.
3. Italy.
4. Switzerland.
5. France.
6. Low Countries.
7. Austria-Hungary.
8. Spain and Portugal.
9. England.
10. Sweden.
11. Denmark.
12. Montenegro.

APPENDIX C

1. Gazetteers

Cotton (H.). A typographical gazetteer. 2nd edition (2nd Series). 2 vols. Oxford, 1831-1866. 8vo.

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2. Germany

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—— Meyer (L. E.), Die Buchdruckerkunst in Augsburg bei ihren Entstehen. Augsburg, 1840. 8vo.

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Erfurt—Tettau (W. v.), Über einige bis jetzt unbekannte Erfurter Drucke aus dem 15 Jahrhunderts. Erfurt, 1870. 8vo.

Freiburg—Pfaff (F.), Festschrift zum 400 Jährigen Gedächtnis des ersten Freiburger Buchdrucks. Freiburg, 1895. 4to.

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Hamburg—Lappenberg (J. M.), Zur Geschichte der Buchdruckerkunst in Hamburg. Hamburg, 1840. 4to.

Heidelberg—Roth (F. W. E.), Geschichte und Bibliographie der Heidelberger Buchdruckereien, 1485-1510. Heidelberg, 1901. 8vo.

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Köln—Voullième (E.), Der Buchdruck Kölns bis zum Ende des 15ten Jahrhunderts. Bonn, 1903. 8vo.

—— Merlo (J.), Ulrich Zell, Kölns erster Drucker. Köln, 1900. 8vo.

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—— Lorck (C. B.), Die Druckkunst und der Buchhandel in Leipzig durch vier Jahrhunderte. Leipzig, 1879. 8vo.

—— Wustmann (G.), Die Anfänge des Leipziger Bücherwesens. Leipzig, 1879. 8vo.

Lübeck—Deecke (E.), Einige Nachrichten von den im funfzehnten Jahrhundert zu Lübeck gedruckten niedersächsischen Büchern. Lübeck, 1834. 4to.

—— Lange (H. O.), Bidrag til Lübecks Bogtrykkerhistorie i det femtende Aarhundrede. 2 parts. Kjöbenhavn [1898]. 8vo.

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—— Stieda (W.), Studien zur Geschichte der Buchdrucker und des Buchhandels in Mecklenburg. Leipzig, 1894. 8vo.

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Metz—Teissier (G. F.), Essai philologique sur les commencements de la typographie à Metz et sur les imprimeurs de cette ville. Metz, 1828. 8vo.

—— Chabert (F. M.), Histoire résumée de l'imprimerie dans la ville de Metz, 1482-1800. Metz [1851]. Fol.

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—— Nordhoff (J. B.), Alt-Münsterische Drucke. Münster, 1875. 8vo.

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—— W[aldau] (G. E.), Leben Anton Koburgers, eines der ersten und berühmtesten Buchdrucker in Nürnberg. Dresden, 1786. 12mo.

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Regensburg—Pangkofer (J. A.) and Schnegraf (J. R.), Geschichte der Buchdruckerkunst in Regensburg. Regensburg, 1840. 8vo.

Reutlingen—Steiff (C.), Zur Geschichte des Reutlingen Buchdrucks im ersten Jahrhundert der Buchdruckerkunst. 4 parts. Reutlingen, 1890-1891. 8vo.

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Alba—Vernazza (G.), Della tipografia in Alba nel secolo 15. Torino, 1815. 8vo.

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—— Lechi (L.), Della tipografia bresciana nel secolo decimoquinto. Brescia, 1854. 4to.

—— Peddie (R. A.), Printing at Brescia in the fifteenth century. A list of the issues. London, 1905. 8vo.

Chivasso—Cenno di giureconsulti e chiari uomini di Chivasso, della prima stamperia ivi aperta nel 1486, etc. Chivasso, 1827. 8vo.

Cividale—Suttina (L.), I piu antichi libri stampati a Cividale del Friuli. Udine, 1906. 8vo.

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Ferrara—Baruffaldi (G.), Della tipografia ferrarese dall' anno 1471 al 1500. Ferrara, 1777. 8vo.

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